

## Human C-reactive protein ELISA Kit | CRP elisa kit

Human C-reactive protein ELISA Kit

CATALOG #  
**AAA247864**

REACTIVITY  
**Human**

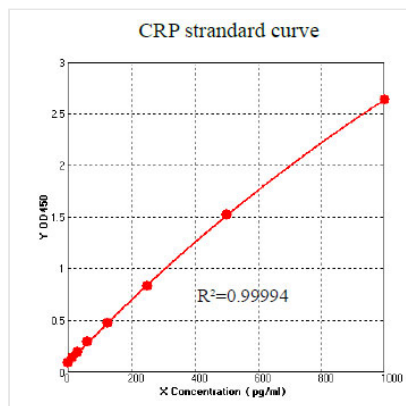
### PRODUCT SYNONYMS

C-reactive protein; Human C-reactive protein ELISA Kit; CRP elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Human                                                                                                                                                                                                        |
| Specificity           | Capture antibody and detection antibody respectively identify different epitopes of the antigen, which maximizes the specificity of the reaction. No cross-reaction exists between the homologous cytokines. |
| Assay Type            | Sandwich                                                                                                                                                                                                     |
| Intra-assay Precision | 1.92-4.24                                                                                                                                                                                                    |
| Inter-assay Precision | 4.51-13.11                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for CRP elisa kit | <p>Background: C-reactive protein (CRP), a member of the pentraxin family, is an acute-phase protein of hepatic origin in response to a wide range of acute and chronic inflammatory conditions such as bacterial, viral, or fungal infections, rheumatic and other inflammatory diseases, malignancy, and tissue injury and necrosis. Functionally CRP can bind to the phosphocholine expressed on the surface of dead or dying cells and some bacteria, activate the complement system, and promote macrophage-mediated phagocytosis to clean necrotic and apoptotic cells, and infected pathogens. Therefore the CRP level increase may indicate tissue injury, infection or inflammation. The Elisa kit can effectively detect the concentrations of CRP in serum and identify the so-called acute phase response.</p> <p>Principle of the Assay: CRP ELISA kit is applied to the solid phase sandwich Enzyme Linked Immunosorbent Assay. The microtiter plate has been pre-coated with capture antibody which specific to CRP. Standards or samples are then added to the microtiter plate wells and CRP if present, will bind to the antibody pre-coated wells. Then a biotin-conjugated detection antibody specific for CRP is added to the wells to form a capture antibody-antigen-detection antibody sandwich complex. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells, and then a TMB substrate solution is added to the wells to incubate. TMB substrate solution turns blue after the oxidation of HRP, and finally turns to yellow immediately after adding the stop solution. Color of TMB substrate positively correlated with total CRP bound in the initial steps. The color is measured by spectrophotometrically with wavelength of 450nm. The concentration of CRP in samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/crp-human-elisa-kits/c-reactive-protein/247864>